

Large capacity centrifuges

Q A

How can blood banking and bioprocessing production facilities enhance ergonomics, while simplifying operation for greater productivity during their separations?

Large capacity centrifuges are critical components in both blood banking and bioprocessing applications. In these production environments, the centrifuge door, as well as the rotor lid, is opened and closed repeatedly each day by the user, requiring time as well as physical strength, and potentially leading to fatigue or injury. With Thermo Scientific™ Large Capacity Centrifuges these repetitive tasks are automated to improve ease-of-use, as well as operator ergonomics.

Simplified operation and push-button convenience

The centrifuge door features Thermo Scientific™ Auto-Door™ Technology, enabling it to open and close fully and automatically with just the push of a button on the Thermo Scientific™ Centri-Touch™ Interface Display, enhancing efficiency and reducing physical strain. The centrifuge door also engages the windshielded rotor lid and Thermo Scientific™ Auto-Lid™ Technology instantly opens the rotor with hands-free removal and automatic rotor lid storage on the door. The windshield rotor lid is then restacked seamlessly during automated centrifuge door closing.

Enhanced ergonomics and ease-of-use

Unlike traditional centrifuges requiring time and physical effort for manual door opening and closing, and removal and restacking of rotor lids, centrifuges with Auto-Door and Auto-Lid technologies improve ergonomics and ease-of-use with the press of a button, offering:

- Hands-free operation of the centrifuge door and rotor lid for all operators, especially in a production environment where these tasks can be repeated up to 30 times a day
- Enhanced ergonomics for centrifuge loading and unloading by removing the need to transport or store the large windshielded rotor lid, while maintaining accessibility for all operators independent of height or strength
- Confidence that the rotor lid, as well as centrifuge door, is properly down in position and latched



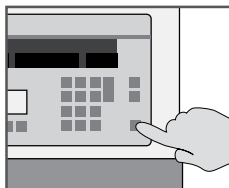
Auto-Door and Auto-Lid technologies are available with the following large capacity centrifuges:

- Thermo Scientific™ Cryofuge™ 8 and 16 Centrifuges with GreenCool™ Technology
- Thermo Scientific™ BIOS 16 Centrifuge with GreenCool™ Technology

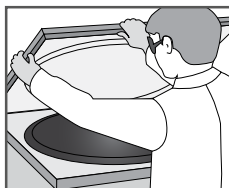
Why

Seamless, hands-free operation enhances ease-of-use, as well as operator ergonomics

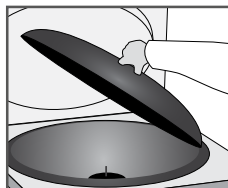
Traditional centrifuges



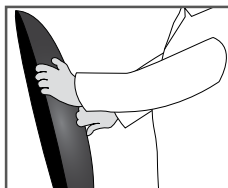
Manually lift door to open position.



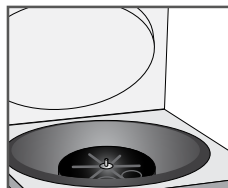
Manually lift door to open position.



Lift windshields rotor lid to remove.



Carry and store windshields rotor lid.

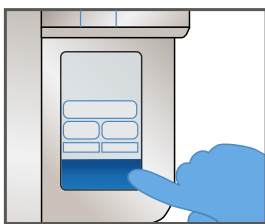


With door and rotor lid open, **rotor is ready to be loaded.**

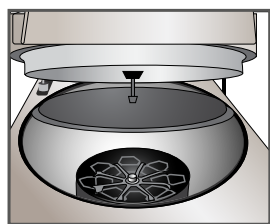


Reverse ALL steps to close rotor and centrifuge, helping ensure the door is properly closed and latched.

Centrifuges with Auto-Door and Auto-Lid technologies



Press "Open" button on Centri-Touch display



With door and rotor lid open, **rotor is ready to be loaded**

Once rotor is loaded, press "Close" button on Centri-Touch screen.

Summary

In a production environment where ease-of-use, as well as operator ergonomics is imperative, Thermo Scientific large capacity centrifuges save time and reduce physical strain by enabling the opening and closing of the centrifuge door and removal and restacking of the windshields rotor lid to be a seamless, hands-free operation.

Find out more at thermofisher.com/centrifuges

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